

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number  
**WO 03/062988 A2**

(51) International Patent Classification<sup>7</sup>: **G06F 9/46**

(74) Agent: **GROENENDAAL, Antonius, W., M.**; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(21) International Application Number: **PCT/IB02/05632**

(22) International Filing Date:  
19 December 2002 (19.12.2002)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02075299.4 24 January 2002 (24.01.2002) EP

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

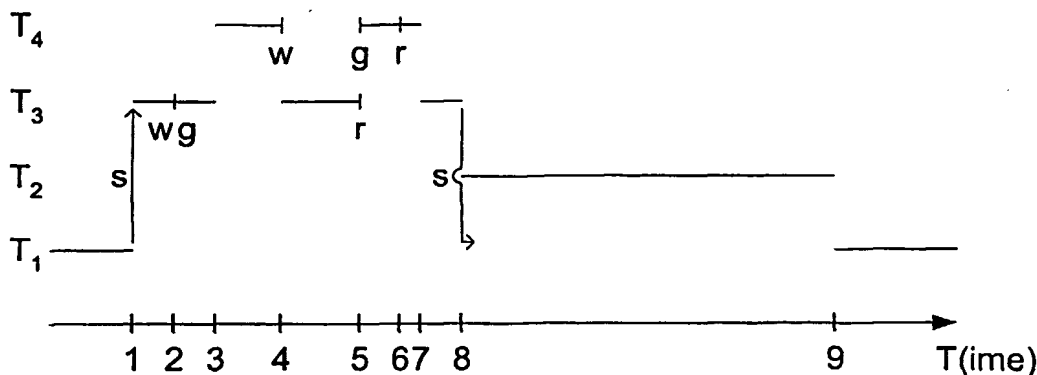
(75) Inventors/Applicants (*for US only*): **DIJKSTRA, Hendrik** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **DIJKHOF, Antonie** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **DEKKER, Simon, T.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: EXECUTING PROCESSES IN A MULTIPROCESSING ENVIRONMENT



(57) Abstract: This invention relates to a method and a system for executing processes with different priorities in a multiprocessing environment comprising execution of a low priority process and a high priority process where the high priority process and the low priority process (T<sub>1</sub>) share a given resource, the method comprising the step of: raising the effective priority of the low priority process when the low priority process is going to use the shared resource, where the effective priority is raised to above other processes in the multiprocessing environment. This allows for as short delay, by other processes, of the high priority process as possible.

WO 03/062988 A2